

MSG 068 - RED FD06 EARTH OBS

METs are at approximate time of the intersection of your orbit and the target site.

RED AND BLUE

MET 04/19:47 Sicily, Mt. Etna. First of two passes over Mount Etna. There have been no reports since the January 10 eruption of any major event. Look for any steam plumes. Document new lava flow to the south of the cone. CVIS. Near Vertical. Digital Camera 400mm. Atlas pages 5, 15, 16.

MET 04/21:26 Lake Nasser, Sudan and Egypt. While we tend to concentrate on the Toshka Lakes to the west of Lake Nasser, documenting the water level in Lake Nasser is also important. If the water level decreases in L. Nasser, as it did in the mid 80's, it will directly impact the people and land use around the recently formed Toshka Lakes. CVIS. Near Vertical. Digital Camera 400mm. Atlas pages 16, 17.

RED

MET 05/00:06 USA - TX. You will have low sun, but you should still get a good view of Amarillo. The city is just west of the Cap Rock Escarpment, south of Lake Meredith Reservoir, and north of the Red River. CVIS. Near Vertical. Digital Camera 400mm. Atlas page 2.

MET 05/00:12 USA - Maryland, Pennsylvania. High clouds should clear once you pass the Appalachians. You will pass almost directly over Baltimore. Philadelphia will be north (left) of track. CVIS. Near Vertical. Digital Camera 400mm. Atlas page 2.

MET 05/00:29 Meteorology Pass beginning over Mali. Satellites show a large and impressive jet stream roughly parallel to your orbital track. Photograph edges. As you pass over the main part of the jet stream aim your camera toward the south and west. CVIS. Oblique. Hasselblad 110mm. Atlas pages 14, 15.

MET 05/01:46 USA - VA. We don't have many images of the city of Richmond. Detailed imagery of the coast along the Chesapeake Bay is highly desirable. CVIS. Near Vertical. Digital Camera 400mm. Atlas page 2.

MET 05/03:12 USA - CA and NV. Document snow cover along the Sierras. Water color and lake level in Lake Tahoe should also be noted. The city of Reno will follow shortly after passing Tahoe. CVIS. Near Vertical. Digital Camera 400mm. Atlas page 2.

MET 05/04:47 USA - CA, NV, NM, TX. Nice pass over the western U.S.A. Death Valley should be visible at the California - Nevada border. You will then pass just to the south of Las Vegas and Lake Meade. At approximately MET 05/04:50 you will cross Elephant Butte Reservoir on the Rio Grande in New Mexico. Look between the San Andreas and Sacramento mountains for the dark, relatively young, Carrizozo lava flow. Finish your pass photographing the dark and topographically higher Edwards Plateau in central Texas. CVIS. Near Vertical. Hasselblad 250mm. Atlas page 2.

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MET 05/05:00 Venezuela. You are beginning to gain light over South America. Note water color in the Golfo de Venezuela just to the east of the Guajira Peninsula. Continue photography to the Orinoco river until you lose light. CVIS. Near Vertical. Hasselblad 250mm. Atlas page 13.

RED AND BLUE

MET 05/06:25 Baja Mexico. Weather should hold for documentation of Mexico from the southern tip of Baja to the southern mountains. Note land use along the coast. CVIS. Oblique. Hasselblad 250mm. Atlas page 11.

BLUE

MET 05/13:48 China, North China Plain. The North China Plain is home to the largest concentration of people on the planet. Begin your pass at the Yellow River (should be on the edge of clouds) and continue until you cross the Yangtze river. You will also pass over Shanghai - we have few detailed images of this city because it is often smog covered. CVIS. Near Vertical. Digital Camera 400mm. Atlas pages 20, 21.

MET 05/13:58 Northern Mariana Islands, Saipan and Tinian. Saipan and Tinian will be just to the right (south). Guam is south of Tinian. CVIS. Near Vertical. Digital Camera 400mm. Atlas page 22.

MET 05/15:10 Baku, Azerbaijan. Photograph the city of Baku (Baki) on the western shore of the Caspian. Also look for any discoloration in the Caspian near the coast. CVIS. Near Vertical. Hasselblad 250mm. Atlas pages 6, 17.

MET 05/15:25 China. Nice opportunity to photograph Canton and Hong Kong. CVIS. Near Vertical. Hasselblad 250mm. Atlas page 20.

MET 05/16:38 Sicily, Mt. Etna. Second pass over Mt. Etna. CVIS. Near Vertical. Digital Camera 400mm. Atlas pages 5, 15, 16.

MET 05/16:50 Smoke/Smog in India. Look for a concentration of smoke/smog along the front of the Himalayan Range. CVIS. Oblique. Hasselblad 110mm. Atlas page 19.

MET 05/16:56 Myanmar, Vietnam. Look right (south) of track for corridor of smoke/smog exiting India and entering the Indian Ocean. Note smoke/smog boundaries where possible. Obliques of the Mouths of the Mekong at the Vietnamese coast are also highly desirable. CVIS. Oblique. Hasselblad 110mm. Atlas pages 19, 20.

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